



LOWER PLATTE SOUTH natural resources district

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Memorandum

Date: August 10, 2023
To: Board of Directors
From: Mike Murren Projects Coordinator *mm*
Subject: Water Resources Subcommittee Meeting Minutes-August 2023

The Water Resource Subcommittee met on Tuesday August 8, 2023, at NRD office, at 6:30 pm. Subcommittee members present included Larry Ruth, Melissia Baker, Luke Peterson, Gary Hellerich, Susan Seacrest, Don Jacobson, Mark Spangler, and Bob Andersen. Others present were Paul Zillig, Mike Sousek, Dave Potter, Steve Herdzina, and Tyler Benal, Dick Ehrman and Mike Murren with the LPSNRD. Also present were Leo and Chris Benes. There was one agenda item the Subcommittee acted on and three reports were given. A quorum was present for the meeting.

Consideration of proposals for the Antelope Park Well Piping project

(Action)(Attachment) Murren updated the subcommittee on an board action that was taken at June 2012 Board Meeting, which gave approval to accept the proposal from Lincoln Water System to purchase groundwater wells, the underground reservoir, and monitoring wells in the Antelope Park well field. This included two high-capacity wells that are rated to pump 800 gallons per minute and approximately 200 feet deep, 4-million-gallon underground storage reservoir, and 12 monitoring wells. These wells can be pumped to Antelope Creek to supplement flows through Antelope Valley and Union Plaza to improve water quality and address odor and aesthetic concerns. The production wells can be pumped directly into a tributary to Antelope Creek to provide future offsets under the NRDs Integrated Management Plan or to offset instream flows for endangered species in the Lower Platte River. The underground reservoir can hold 12-acre feet of water.

As part of our operation and maintenance of the project, staff needs to “exercise” the wells 1-2 times per year at a minimum. Some discussion took place about how long we pump the wells and what time of the year this exercise is completed. Currently we must set up temporary hoses and pipes to be able to pump water to a storm sewer that drains to Antelope Creek. Staff would like to make some modifications that will make the operation of the wells more efficient and user-friendly. Currently the underground reservoir is not functional. The supply line leading to the reservoir is severed and needs to be replaced. According to our Groundwater rules and Regulations we need to install a water meter. The meter will be installed in the new supply line to the reservoir. Near well 90-2 there is a water line that needs to be cut and capped to stop flow to an abandoned line under a city street. Staff estimated the project to cost around \$32,000 so we used policy G-5.2 “informal

competitive bids “ and reached out to three contractors for proposals. Staff received three proposals from contractors with one proposal that was incomplete. The lowest proposal was from General Excavating for \$39,800. The second proposal was from K2 construction and was \$50,600. Both proposals showed a fall completion date which is acceptable to staff. . It was moved by Andersen, seconded by Baker, and unanimously approved by the Subcommittee to recommend that the Board of Directors approve the informal competitive bid of \$39,800 from General Excavating to complete the Antelope Park Well Piping project, which amount exceeds the estimated cost threshold for informal competitive bids under Operating Policy G-5.2.

Reports

Benes/Olson Irrigation Runoff Inspection(Attachment)

Herdzina was present to update the committee on a phone conversation he had with Don Olson about water on his property. A memorandum is attached to explain some of the history and the steps that were taken as well as staff conclusion of findings. Director Hellerich mentioned the idea of charging fees to manage these types of complaints. Discussion took place and it was suggested we have legal counsel attend WRS to inform us of the legality of placing fees on complaints.

Hydrogeologic Framework Study by LRE Water

Ehrman provided an update on the Hydrogeologic Framework Study. LRE is nearing completion of the data analysis and creating the three-dimensional model. The study will be finished this fall and LRE will present the study results to the Water Resource Subcommittee.

Piening Dam Update

Murren reported that Schemer/HDR continues to work on the Design/Permitting phase of the project. Two meetings with COE regulatory staff have occurred over the last month to review the purpose and need language being proposed by HDR. The wetland assessment shows a need to mitigate wetlands either onsite or ask the board for wetland credits from the Blue Heron Marsh Wetland Bank. The goal is to submit a 404 permit in August and receive a decision document later this year.

With no further business the meeting was adjourned at 7:33pm.

Enc.

Cc: Steve Seglin

Corey Wasserburger

Dave Landis